

CLAIMS:

1. A receiving method for receiving a signal corresponding to a service selected among a plurality of services according to a plurality of input signals respectively including information related to a plurality of data respectively corresponding to the plurality of services, wherein the plurality of input signals are respectively transmitted on a first frequency channel on a time axis in form of bursts,

the method comprising:

receiving an input signal corresponding to the selected service;

outputting the received input signal after demodulation;

receiving an input signal corresponding to a service other than the selected one during a period of time in which no input signal corresponding to the selected service is received;

demodulating the received input signal corresponding to the service other than the selected one;

extracting zapping data related to the service other than the selected one based on a result of demodulation of the input signal corresponding to the service other than the selected one; and

storing the zapping data.

2. The receiving method according to claim 1, when a selection of a service is changed, the stored zapping data corresponding to the changed service is output.

3. The receiving method according to claim 2, when an input signal

corresponding to the changed service is received during output of the stored zapping data corresponding to the changed service, the received input signal corresponding to the changed service is output after demodulation.

4. The receiving method according to any one of claims 1 to 3, wherein receiving an input signal corresponding to a service other than the selected one is performed during a period of time in which no input signal corresponding to the selected service is received and at a predetermined cycle, and the stored zapping data are updated.

5. The receiving method according to any one of claims 1 to 4, wherein the plurality of input signals further include a plurality of signals that are respectively transmitted in form of bursts on a second frequency channel that is different from the first frequency channel on a time axis,

the method further comprising:

switching to the second frequency channel during a period in which no input signal corresponding to the selected service is received;

receiving an input signal on the second frequency channel;

demodulating the received input signal on the second frequency channel;

extracting zapping data related to the input signal on the second frequency channel based on a result of demodulation of the input signal on the second frequency channel; and

storing the zapping data.

6. The receiving method according to any one of claims 1 to 5, wherein the data corresponding to the service includes video data, and the zapping data are still image data included in the video data.
7. The receiving method according to any one of claims 1 to 5, wherein the data corresponding to the service includes video data, and the zapping data are auxiliary information related to the video data.
8. The receiving method according to claim 7, wherein the auxiliary information includes title information or service program information on the video data.
9. The receiving method according to any one of claims 1 to 8, wherein the zapping data includes text data.
10. A receiving apparatus for receiving a signal corresponding to a service selected among a plurality of services according to a plurality of input signals respectively including information related to a plurality of data respectively corresponding to the plurality of services,
wherein the plurality of input signals are respectively transmitted on a first frequency channel on a time axis in form of bursts,
the apparatus comprising:
a receiving unit operable to receive an input signal corresponding to the selected service, wherein the receiving unit receives an input signal corresponding to a service other than the selected one during a period of time in

which no input signal corresponding to the selected service is received;

a demodulating unit operable to output the received input signal after demodulation, wherein the demodulating unit demodulates the received input signal corresponding to the service other than the selected one;

an extracting unit operable to extract zapping data related to the service other than the selected one based on a result of demodulation of the input signal corresponding to the service other than the selected one; and

a memory operable to store the zapping data.

11. The receiving apparatus according to claim 10, when a selection of a service is changed, the stored zapping data corresponding to the selected service is output.

12. The receiving apparatus according to claim 11, when an input signal corresponding to the changed service is received during output of the stored zapping data corresponding to the changed service, the demodulating unit outputs the received input signal corresponding to the changed service after demodulation.

13. The receiving apparatus according to any one of claims 11 to 12, wherein

a process of receiving the input signal corresponding to the service other than the selected one by the receiving unit is performed during a period of time in which no input signal corresponding to the selected service is received and at a predetermined cycle, and

wherein the memory updates the stored zapping data.

14. The receiving apparatus according to any of claims 10 to 13, wherein the plurality of input signals further include a plurality of signals that are respectively transmitted on a second frequency channel other than the first frequency channel on a time axis in form of bursts,

wherein the apparatus further comprising a switching unit operable to switch a reception frequency of the receiving unit to the second frequency channel during a period of time in which no input signal corresponding to the selected service is received,

the receiving unit receives an input signal on the second frequency channels,

the demodulating unit demodulates the received input signal on the second frequency channel,

the extracting unit extracts zapping data related to the input signal on the second frequency channel based on a result of demodulation of the input signal on the second frequency channel, and

the memory stores the zapping data.

15. The receiving apparatus according to any of claims 10 to 14, wherein the data corresponding to the service includes video data, and the zapping data are still image data included in the video data.

16. The receiving apparatus according to any of claims 10 to 14, wherein the data corresponding to the service includes video data, and the zapping data are

auxiliary information related to the video data.

17. The receiving apparatus according to claim 16, wherein the auxiliary information includes title information or service program information on the video data.

18. The receiving apparatus according to any of claims 10 to 17, wherein the zapping data includes text data.